

HPD UNIQUE IDENTIFIER: 25575

CLASSIFICATION: 09 67 23 Resinous Flooring

PRODUCT DESCRIPTION: EPI Industrial base is a 2-component, solvent-free polyurethane self-levelling flooring material for Industrial applications. Because of it's tough-elastic properties it can be installed in various environments and surfaces that are exposed to high traffic conditions.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	Considered in 2 of 2 Materials	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Material	<input type="radio"/> Other	for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | **SUBSTANCE** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE
FLOORING 80 MP, COMP. A [**CASTOR OIL** NoGS] **FLOORING 80 MP, COMP. B** [**POLYMETHYLENE POLYPHENYL ISOCYANATE** LT-UNK | MUL | RES | CAN **4,4'-DIPHENYLMETHANE DIISOCYANATE** LT-UNK | MUL | RES | CAN | SKI | EYE **2,4'-DIPHENYLMETHANE DIISOCYANATE** LT-UNK | MUL | RES | SKI | CAN | EYE]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

See Material notes section

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): < 1 g/l Regulatory (g/l): < 50 g/l
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC emissions: Emission Classification of Building Materials - M1
VOC content: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD
Management: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-08-03

PUBLISHED DATE: 2021-08-03

EXPIRY DATE: 2024-08-03

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

FLOORING 80 MP, COMP. A

%: 0.0000 - 84.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered for this material.

OTHER MATERIAL NOTES: Non-hazardous polyurethane material All substances in this material are below the reportable threshold.

CASTOR OIL

ID: 8001-79-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-08-03 5:08:26

%: 50.0000 - 100.0000

GS: NoGS

RC: UNK

NANO: Unknown

SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Non-hazardous substance

FLOORING 80 MP, COMP. B

%: 0.0000 - 16.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are partially considered for this material.

OTHER MATERIAL NOTES: Reactive component for Flooring 80 mp comp. A

POLYMETHYLENE POLYPHENYL ISOCYANATE

ID: 9016-87-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-08-03 5:10:29

%: 50.0000 - 100.0000

GS: LT-UNK

RC: UNK

NANO: Unknown

SUBSTANCE ROLE: Curing agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-03 5:12:02**%: **10.0000 - 25.0000** GS: **LT-UNK** RC: **UNK** NANO: **Unknown** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-03 5:12:50**%: **10.0000 - 25.0000** GS: **LT-UNK** RC: **UNK** NANO: **Unknown** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-07-17 EXPIRY DATE: CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: All
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Industrial base has been assessed and meets the requirements of the CDPH standards

VOC EMISSIONS Emission Classification of Building Materials - M1

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-07-17 EXPIRY DATE: CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: All
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Industrial base is assessed and meets the requirements for M1 Emission Classification

VOC CONTENT Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-07-17 EXPIRY DATE: CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: All
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Industrial base has been evaluated and meets the requirements for IAQ

MANAGEMENT ISO 9001:2015 Quality management systems

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-05-11 EXPIRY DATE: 2023-05-11 CERTIFIER OR LAB: KIWA
APPLICABLE FACILITIES: All
CERTIFICATE URL:
https://www.kiwa.nl/upload/certificate/00106458.pdf?_ga=2.14366007.1433964658.1627992879-1515407861.1618223220

CERTIFICATION AND COMPLIANCE NOTES: This product is manufactured under ISO 9001 QMS procedures.

MANAGEMENT ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-05-11 EXPIRY DATE: 2023-05-11 CERTIFIER OR LAB: KIWA
APPLICABLE FACILITIES: All
CERTIFICATE URL:
https://www.kiwa.nl/upload/certificate/00106459.pdf?_ga=2.10165813.1433964658.1627992879-1515407861.1618223220

CERTIFICATION AND COMPLIANCE NOTES: This product is manufactured with strict adherence to ISO 14001 EMS protocols

FORMALDEHYDE EMISSIONS Emission Classification of Building Materials - M1

CERTIFYING PARTY: Third Party
ISSUE DATE: 2020-07-17 EXPIRY DATE: CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: All
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Industrial base has been assessed and meets the requirements for M1 Classification

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

EPI Industrial & Traffic Surfaces BV is manufacturer, supplier and distributor for synthetic resin applications for the Industrial market.

MANUFACTURER INFORMATION

MANUFACTURER: EPI Industrial & Traffic Surfaces B.V.
ADDRESS: Duikboot
 1-7
 Houten Utrecht 3991 CK, Nederland
WEBSITE: <https://en.epifloors.com>

CONTACT NAME: S van Laerhoven
TITLE: Technical Productmanager
PHONE: +31658769941
EMAIL: sander.vlaerhoven@epigroup.nl

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.